

SIMPLEX FORM

OBJECT COLUMN	VARIABLE COLUMN	CONSTANT COLUMN	Body	Ident. M	Check Column
11	4 0 0		OBJECTIVE ROW		$X = \text{number of A's}$
0	$X \ Y \ W_1 \ W_2$		VARIABLE ROW		$Y = \text{number of B's}$
0 $W_1 = 84$	7 6 1 0 98		KEY ROW		OPERATION I
0 $W_2 = 32$	4 2 0 1 39				
4 Y	-11 -4 0 0 -15		INDEX ROW		$7X + 6Y \leq 84$
0 $W_1 = 28$	0 $\frac{5}{2}$ 1 - $\frac{7}{4}$ $\frac{1}{4}$		MAIN ROW		OPERATION II
11 $X = 8$	1 $\frac{1}{4}$ 0 $\frac{5}{4}$ $\frac{39}{4}$		MAIN ROW		$4X + 2Y \leq 32$
88	0 $\frac{3}{2}$ 0 $\frac{11}{4}$ $\frac{369}{4}$		INDEX ROW		
					$W_1 = \frac{84}{7} = 12$
					$W_2 = \frac{32}{4} = 8$
				Process I	84
				Process II	32